



- **9-27.** Solve the following quadratic equations by factoring and using the Zero Product Property. Then check your solutions. [Homework Help](#) 


a. $x^2 - 10x + 25 = 0$

b. $0 = 3x^2 + 17x - 6$

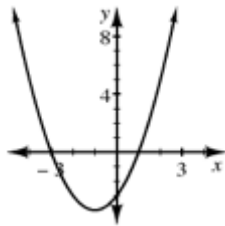
c. $3x^2 - 2x = 5$

d. $16x^2 - 9 = 0$

- **9-28.** Use the Quadratic Formula to solve part (b) of problem 9-27 above. Did your solution match the solution you got by factoring and using the Zero Product Property (in part (b) of problem 9-27)? [Homework Help](#) 


- **9-29.** Find the equation that represents the information given below. [Homework Help](#) 

a.



b.

x	-4	-3	-2	-1	0	1	2	3	4
y	12	5	0	-3	-4	-3	0	5	12

- **9-33.** Factor each polynomial completely. [Homework Help](#) 

a. $3x^3 - 3x^2$

b. $2x^2 - 10x + 12$

c. $8x^2 - 32$

d. $4x^3 + 10x^2 - 24x$